METHOD, SYSTEM, AND STORAGE MEDIUM FOR DETERMINING TRIVIAL KEYBOARD SEQUENCES OF PROPOSED PASSWORDS

ABSTRACT OF THE DISCLOSURE

An exemplary embodiment of the invention relates to a method, system, and storage medium for determining trivial keyboard sequences of proposed passwords. The system comprises a user system with associated keyboard input device; a server in communication with the user system via a communications link; a data storage device coupled to the server, the data storage device housing a database including a keyboard profile for specifying a physical layout of character and function keys on the computer keyboard input device; a master password database including a user account associated with the user system; and a password verification mechanism executable by the server. Upon execution, the password verification tool performs an algorithm on the proposed password and determines triviality according to criteria specified in the algorithm. The physical layout of character and function keys is specified by a graphical representation of the computer keyboard input device; an X axis horizontally spanning the graphical representation; and a Y axis vertically spanning the graphical representation. Each of the character and function keys is assigned a unique data coordinate set identifying positional placement values. The network system also includes an identifier assigned to the keyboard profile indicating manufacturer and model data. A keyboard profile, a method and storage medium for determining triviality of proposed passwords are also included.